

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Masataka OKAYAMA et al.  
Serial No.: NEW  
Filed: December 13, 2000  
For: STATUS ADAPTED PLANNING SUPPORT SYSTEM  
Art Unit: Not assigned  
Examiner: Not assigned

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, DC 20231

December 13, 2000

Sir:

Prior to examination, please amend the above-identified application as follows:

**IN THE TITLE:**

Please amend the title to read as follows:

--PORTABLE INFORMATION TERMINAL SURROUNDING  
FORMULATION OF AN OPTIMUM PLAN--.

**IN THE SPECIFICATION:**

Page 1, before line 1: Insert the following:

--CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation of  
Application Serial No. 09/011,991, filed  
February 19, 1995, which claims priority

under 35 U.S.C. §119 from PCT/JP95/01668,  
filed August 23, 1995.--

**line 2:** Delete "status" and insert --portable  
information terminal--.

**line 3:** Delete "adapted planning support system".

**line 4:** Delete "human" and insert --user--.

**line 6:** Delete "human being" and insert --user--.

**line 7:** Insert the following:

**Page 2, line 5:** Delete "car" and insert --vehicle--.

**Page 3, line 1:** Delete "plan" and insert --portable  
information terminal--.

**Page 5, line 4:** Delete "next taken" and insert --taken  
next--.

**line 10:** Delete "with displaying means".

**line 12:** Delete "means".

**Page 8, line 21:** Change "reservation" to --reserving--.

**line 22:** Delete "reservation" and insert -reserving--.

**Page 9, line 9:** Delete "froth" and insert -forth--.

**line 13:** Delete "it is determined that".

Page 11, line 5: Delete "a".

Page 16, line 12: After "network", insert --80--.

Page 16, line 17: After "terminal", insert --10a, 10b or 10c--;  
after "IP", insert --60a or 70a--.

Page 18, line 6: After "terminal", insert --10a, 10b or 10c  
shown in FIG. 1--.

Page 20, line 13: After "IP", insert --60a or 70b shown in FIG.  
1--.

Page 21, line 16: After "center", insert --40a or 50a shown in  
FIG. 1--.

Page 38, line 4: After "center", insert --40a or 50a shown in  
FIG. 1--.

line 7: After "center", insert --40a or 50a shown in  
FIG. 1--.

line 11: After "terminal", insert --10a, 10b or 10c--

Page 40, line 11: After "means", insert --140 shown in FIG. 4--.

IN THE ABSTRACT:

Please substitute the attached ABSTRACT for that originally  
filed.

IN THE DRAWINGS:

Attached are proposed revisions to FIGS. 12 and 15. These proposed revisions were approved in parent Application Serial No. 09/011,991 and are reflected in the formal drawings filed concurrently herewith.

IN THE CLAIMS:

Please **cancel claims 1-15** without prejudice or disclaimer, and **add new claims 16-25** as follows:

1       --16. An information terminal for providing plan information  
2       of a path from a current place of said information terminal to a  
3       destination point in response to a destination information  
4       designated from a user and the current place of said information  
5       terminal, comprising:

6               receiving means which receives traffic jam information  
7       via a receiver from a radio network;

8               determining means which determines to change plan  
9       information based on said traffic jam information;

10              alternative plan generating means which provides an  
11       alternative plan of a path from said current place of said  
12       information terminal to said destination point when said  
13       determining means determines to change said plan information; and

14           outputting means which outputs said alternative plan to  
15   a user instead of said plan information.

1           **17.** An information terminal according to claim **16**, wherein  
2   said determining means checks temporal change in said traffic jam  
3   information.

1           **18.** An information terminal according to claim **16**, wherein  
2   said determining means determines to change said plan information  
3   when said traffic jam information matches a predetermined  
4   condition of traffic jam state in said path.

1           **19.** An information terminal according to claim **16**, wherein  
2   said alternative plan indicates a desirable path for said user.

1           **20.** An information terminal according to claim **16**, further  
2   comprising an input device which receives an input from said user.

1           **21.** An information terminal according to claim **16**, further  
2   comprising a display device which shows path information under  
3   control of said outputting means.

1           **22.** An information terminal for providing plan information  
2 of a path from a current place of said information terminal to a  
3 destination point in response to a destination information  
4 designated from a user and the current place of said information  
5 terminal, comprising:

6           receiving means which receives traffic jam information  
7 via a receiver from a radio network;

8           determining means which determines an alternative path  
9 having time shorter than a time of said path based on said traffic  
10 jam information;

11           alternative plan generating means which provides said  
12 alternative plan of a path from said current place of said  
13 information terminal to said destination point having said shorter  
14 time; and

15           outputting means which outputs said alternative plan to  
16 a user instead of said plan information.

1           **23.** An information terminal according to claim **22**, wherein  
2 said alternative plan generating means checks a plurality of times  
3 necessitated through paths from said current place of said  
4 information terminal to said destination point to seek for a  
5 shorter time among said plurality of times to provide a shortest  
6 among said paths as said alternative plan.

1           **24.** An information terminal for providing plan information  
2 of a path from a current place of said information terminal to a  
3 destination point in response to a destination information  
4 designated from a user and the current place of said information  
5 terminal, comprising:

6           receiving means which receives traffic jam information  
7 via a receiver from a radio network;

8           determining means which determines to change plan  
9 information based on said traffic jam information every time  
10 duration;

11           alternative plan generating means which provides an  
12 alternative plan of a path when said determining means determines  
13 to change said plan information; and

14           outputting means which outputs said alternative plan to  
15 a user.

1           **25.** An information terminal for providing plan information  
2 of a path from a current place of said information terminal to a  
3 destination point in response to a destination information  
4 designated from a user and the current place of said information  
5 terminal comprising:

6 receiving means which receives traffic jam information  
7 from a radio network;

8 determining means which determines an alternative path  
9 having time shorter than a time of said path based on said traffic  
10 jam information every time duration;

11 alternative plan generating means which provides said  
12 alternative plan of a path from said current place of said  
13 information terminal to said destination point based on said  
14 shorter time; and

15 outputting means which outputs said alternative plan to  
16 a user.--

#### REMARKS

The foregoing brings forward amendments to the title, specification, abstract, and drawings from parent Application Serial No. 09/011,991, while new claims 16-25 alternatively define the subject invention.

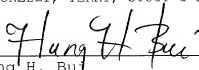
To the extent necessary, Applicants petition for an extension of time under 37 C.F.R. §1,136. Please charge any shortage of fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 of Antonelli, Terry, Stout & Kraus, LLP (referencing Docket No.



500.36066CX1), and please credit any excess fees to said deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

  
Hung H. Bui  
Reg. No. 40,415

**Filed:** December 13, 2000  
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# ABSTRACT OF THE DISCLOSURE

-A portable information terminal including a self-positioning measuring device is provided to make reservations and obtain status information of available services from a plurality of reservation centers and a plurality of status information providers, via a communication network. Such a portable information terminal may comprise a reserving unit for accessing to a reservation center, and reservation storage for storing a reservation content of a reservation; a status information collecting and judging unit for collecting status information relating to execution of the reservation content from the status information providers via the communications network and deciding, based on collected information and position information obtained by the self-positioning device, whether to move to a location for execution of the reservation content, deciding whether the reservation content is to be changed; an alternative reservation generating unit for collecting, in the case where the status information collecting and judging unit judges that the reservation content is to be changed, information relating to an alternative reservation to show the alternative reservation; and a reservation change execution unit for canceling the current reservation and storing the alternative reservation into the reservation storage.

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**REQUEST FOR DRAWING CHANGES**

Assistant Commissioner for Patents  
Washington, DC 20231

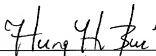
**December 13, 2000**

Sir:

Attached are proposed revisions to FIGS. 12 and 15 in connection with the above-identified application. These changes were approved in parent Application Serial No. 09/011,991 and are reflected in the formal drawings submitted concurrently herewith.

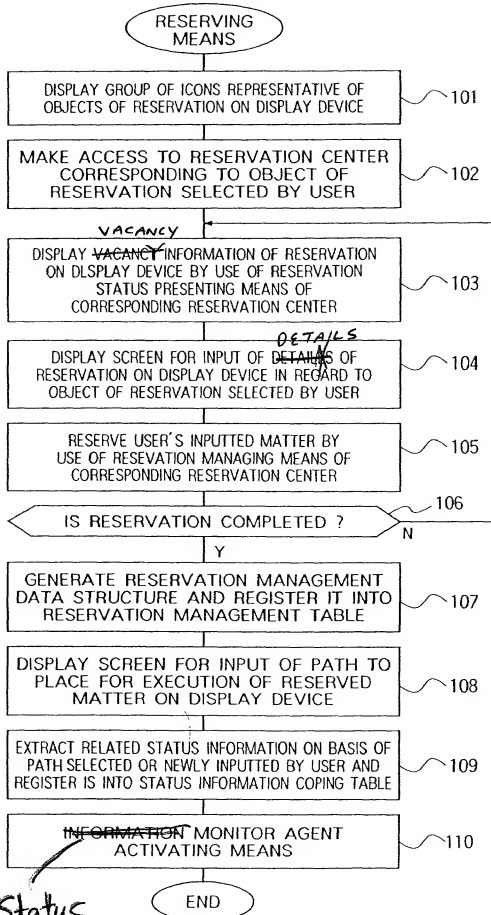
Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

  
\_\_\_\_\_  
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8/20  
FIG. 12



Status

FIG. 15

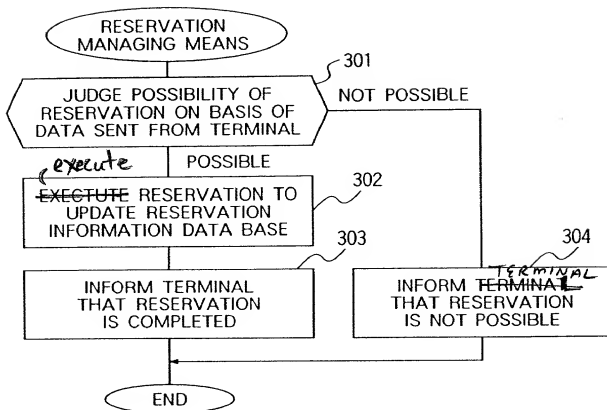


FIG. 16

